

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/03760

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : F 41 A 29/00  
US CL : 42/94, 72; 89/1.42

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 42/94, 72, 71.01; 89/1.42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2,826,848 A (DAVIES) 18 March 1958 (18.03.1958), figures 4-6, columns 2 and 3.	1-6, 22-28, 35, 36
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Y		7-21, 2-34, 37, 38
Y	US 6,438,888 B1 (LIN et al) 27 August 2002 (27.08.2002), figures 3-7, column 3.	7-21, 37, 38
Y	US 2,360,881 A (LOCHHEAD) 24 October 1944 (24.10.1944), column 3, lines 20-25.	10-21
A, P	US 6,785,997 B2 (OZ) 07 September 2004 (07.09.2004).	
A	US 5,903,995 A (BURBACH) 18 May 1999 (18.05.1999).	
A	US 6,487,807 A (KOPMAN et al.) 03 December 2002 (03.12.2002).	
A	US 6,663,071 B2 (PETERSON) 16 December 2003 (16.12.2003).	

Further documents are listed in the continuation of Box C.

See patent family annex.

• Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

14 March 2005 (14.03.2005)

Date of mailing of the international search report

20 MAY 2005

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